

SEQUENCE LISTING

<110> KYOWA HAKKO KOGYO CO., LTD.

<120> Protein-free medium adapted FUT8 knock out cells

<130> 11620W01

<150> JP2003-350166

<151> 2003-10-09

<160> 32

<170> PatentIn Ver. 2.1

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<211> 2008

<212> DNA

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<212> PRT

<213> *Cricetulus griseus*

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<213> Mus musculus

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Leu Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp
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His Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp
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Pro Gln Pro Trp Leu Glu Lys Glu Ile Glu Glu Ala Thr Lys Lys Leu
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Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp Lys
 225 230 235 240

Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val His
 245 250 255

Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp Lys
 260 265 270

Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Ser Leu Leu Lys Glu Ala
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Lys Thr Lys Tyr Pro Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile Ser
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Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg Gly
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Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val Cys
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Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln Thr
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Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile Tyr
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Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Ile Tyr Ala His
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Gln Pro Arg Thr Ala Asp Glu Ile Pro Met Glu Pro Gly Asp Ile Ile
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Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser Lys Gly Val Asn Arg
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<212> PRT

<213> Sus scrofa

<400> 8

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Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe			
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Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys Asn Leu Glu Gly Asn Glu			
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Leu Gln Arg His Ala Asp Glu Phe Leu Ser Asp Leu Gly His His Glu			
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Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala			
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Gly Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln			
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Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Lys			

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Lys Val Gly Ala Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Thr Val		
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His Val Glu Glu Asp Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp		

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<211> 9196

<212> DNA

<213> *Cricetulus griseus*

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<223> Description of Artificial Sequence: Synthetic DNA

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<210> 17

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

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<210> 18

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<213> Mus. musculus

<400> 18

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Val Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile	
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agc aga gtg gag gct gaa gat gct gcc act tat tac tgc cag cag tgg	336
Ser Arg Val Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp	
100 105 110	
act agt aac cca ccc acg ttc gga ggg ggg acc aag ctg gaa atc aaa	384
Thr Ser Asn Pro Pro Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys	
115 120 125	

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<211> 420

<212> DNA

<213> Mus musculus

<400> 19

atg ggt tgg agc ctc atc ttg ctc ttc ctt gtc gct gtt gct acg cgt	48
Met Gly Trp Ser Leu Ile Leu Leu Phe Leu Val Ala Val Ala Thr Arg	
1 5 10 15	
gtc ctg tcc cag gta caa ctg cag cag cct ggg gct gag ctg gtg aag	96
Val Leu Ser Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Leu Val Lys	
20 25 30	
cct ggg gcc tca gtg aag atg tcc tgc aag gct tct ggc tac aca ttt	144
Pro Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe	
35 40 45	
acc agt tac aat atg cac tgg gta aaa cag aca cct ggt cgg ggc ctg	192
Thr Ser Tyr Asn Met His Trp Val Lys Gln Thr Pro Gly Arg Gly Leu	
50 55 60	
gaa tgg att gga gct att tat ccc gga aat ggt gat act tcc tac aat	240
Glu Trp Ile Gly Ala Ile Tyr Pro Gly Asn Gly Asp Thr Ser Tyr Asn	
65 70 75 80	
cag aag ttc aaa ggc aag gcc aca ttg act gca gac aaa tcc tcc agc	288
Gln Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser	
85 90 95	
aca gcc tac atg cag ctc agc agc ctg aca tct gag gac tct gcg gtc	336

Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val
 100 105 110
 tat tac tgt gca aga tcg act tac tac ggc ggt gac tgg tac ttc aat 384
 Tyr Tyr Cys Ala Arg Ser Thr Tyr Tyr Gly Gly Asp Trp Tyr Phe Asn
 115 120 125
 gtc tgg ggc gca ggg acc acg gtc acc gtc tct gca 420
 Val Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ala
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<210> 20

<211> 91

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

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 cticctgcta atcagtgcct cagtcataat g 91

<210> 21

<211> 91

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 21

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 cctctggaca ttatgactga agcactgatt a 91

<210> 22

<211> 90

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 22

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ggttccagca gaagccagga tcttccccca 90

<210> 23

<211> 89

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 23

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atccagggtt tgggggagga tcttggtt 89

<210> 24

<211> 91

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 24

tcagtggcag tgggtctggg acttcttact ctctcacat cagcagagtg gaggtgaag 60

atgctgccac ttattactgc cagcagtgga c

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<210> 25

<211> 90

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

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<210> 26

<211> 99

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 26

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<210> 27

<211> 98

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 27

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<210> 28

<211> 97

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

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<210> 29

<211> 99

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 29

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<210> 30

<211> 99

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

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<210> 31

<211> 98

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 31

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<210> 32

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA

<400> 32

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25